



**OHM Remediation
Services Corp.**
A Member of The IT Group

M60050.002411
MCAS EL TORO
SSIC # 5090.3

May 7, 1999

Ms. Bozier H. Demaree
Contracting Officer
Naval Facilities Engineering Command
Southwest Division
1220 Pacific Highway
San Diego, CA 92132-5187

Attention: Ms. Lynn Hornecker

**Subject: Regulatory Closure Documentation for Various Environmental Locations of
Concern
Contract N68711-93-D-1459, Delivery Order 050
Remediation of Various Sites, MCAS El Toro, California**

Dear Ms. Hornecker:

As you requested, I have reviewed the attached documents. In addition to the attached copy provided to you, two copies have been provided for the SWDIV Administrative Record.

If you have any questions please contact me at 949/660-5446.

Sincerely,

William Sedlak
Sr. Project Manager

cc: Lucreatria Holloway, SWDIV, COTR (1C/1E)
Administrative Record (1C/2E)
OHM PMO File (1C/1E)
Project File, Correspondence B.01

Log of No Further Action Letters Received in Early 1999
Marine Corps Air Station, El Toro

Prepared 8 Apr 99

Site ID	Current Status	Closure Date	Oversight Agency	
UST 672	Closed	02-Apr-99	California Regional Water Quality Control Board, Santa Ana Region	
UST 672B	Closed	02-Apr-99	California Regional Water Quality Control Board, Santa Ana Region	
UST 224	Closed	18-Mar-99	California Regional Water Quality Control Board, Santa Ana Region	
TAA 77	Closed	09-Mar-99	California Department of Toxic Substances Control	
TAA 314	Closed	16-Mar-99	California Department of Toxic Substances Control	
AST 322	Closed	18-Mar-99	California Regional Water Quality Control Board, Santa Ana Region	
AST 335	Closed	18-Mar-99	California Regional Water Quality Control Board, Santa Ana Region	
AST 797	Closed	17-Mar-99	California Regional Water Quality Control Board, Santa Ana Region	
Phantom Sites				
Request for Deletion of OWS 244, OWS 388C, OWS 392, OWS 652, OWS 676,, UST 673B, UST 380B, and SWMU 273				
MCAS El Toro letter to BCT dated 11 Feb 99		N/A		
Agency Response				
DTSC letter to MCAS El Toro dated 17 Mar 99				
OWS 244	Deleted	17-Mar-99		
OWS 388C	Deleted	17-Mar-99		
OWS 392	Deleted	17-Mar-99		

Log of No Further Action Letters Received in Early 1999
Marine Corps Air Station, El Toro

Prepared 8 Apr 99

Site ID	Current Status	Closure Date	Oversight Agency	
OWS 652	Deleted	17-Mar-99		
UST 380B	Deleted	17-Mar-99		
SWMU 273	Deleted	17-Mar-99		
IRP Site 24				
Comments	N/A	N/A		
California Department of Toxic Substances Control letter dated 15 Mar 99				
Response to Comments				
MCAS El Toro letter to DTSC dated 6 Apr 99		N/A		
Technical Memorandum, Aerial Photograph Anomalies (SWDIV, April 1999)		N/A		



Winston H. Hickox
*Secretary for
Environmental
Protection*

California Regional Water Quality Control Board

Santa Ana Region

Internet Address: <http://www.swrcb.ca.gov/~rwqcb8>
3737 Main Street, Suite 500, Riverside, California 92501-3339
Phone (909) 782-4130 • FAX (909) 781-6288



Gray Davis
Governor

April 2, 1999

Mr. Wayne D. Lee
Assistant Chief of Staff
Environment and Safety
Marine Corps Air Station El Toro
P. O. Box 95001
Santa Ana CA 92709-5001

**SUBJECT: CLOSURE OF UNDERGROUND STORAGE TANK (UST) CASE
REFUELING AND VEHICLE MAINTENANCE SHOP, USTS 672 & 672B
BUILDING 672, MARINE CORPS AIR STATION, EL TORO
CASE NO. 083003209T**

Dear Mr Lee:

This letter confirms the completion of the site investigation and remedial action which were needed to mitigate the releases from the underground storage tanks formerly located at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Two USTs were removed and discolored soil was observed on the southwest and northwest sidewalls of the excavation. Three hand-auger borings were drilled to 20 feet deep. Based on the analytical results of the soil sampling, additional petroleum contaminated soil (200 yds³) was removed down to approximately 18 feet below grade. Nine confirmation soil samples were collected. Soil samples were analyzed by EPA method 8015m for TPH and method 8020 for BTEX. One sample was analyzed using the Synthetic Precipitation Leaching Procedure (SPLP). The excavation was backfilled with clean stockpiled soil, imported fill sand and road base material and compacted.

Five soil borings were drilled in the vicinity of the excavation to determine the vertical extent of the petroleum hydrocarbons in the soil. Two soil borings were drilled to 40 feet deep and three were drilled to 80 feet deep. Soil samples were collected and submitted for analysis. Groundwater was not detected at 80 feet. The remaining petroleum concentrations do not appear to be a threat to groundwater.

California Environmental Protection Agency



Recycled Paper

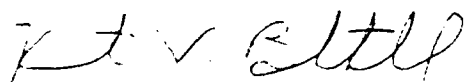
April 2, 1999

Based on the information in the March 12, 1998 Tank Removal and Site Closure Report for USTs 672 and 672B, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721 (e).

Please telephone Patricia Hannon at (909) 782-4498 if you have any questions regarding this matter.

Sincerely,



Gerard J. Thibeault
Executive Officer

Attachment: Case Closure Summary

cc w/ attachment: Dept. of Toxic Substances Control - Tayseer Mahmoud
Kutak Rock, Attorneys - Gregory F. Hurley
Marine Corps Air Station El Toro - Capt. Jeff Matthews
Naval Facility Engineering Command, SWDIV - Lynn Homecker
Orange County Hall of Administration - Courtney Wiercioch
Orange County Health Care Agency - Arghavan Rashidi-Fard
State Water Resources Control Board - John Adams
U. S. EPA, Region IX - Glenn Kistner

APR 5 1 20 PM '99
BRAC OFFICE



CASE CLOSURE SUMMARY

Leaking Underground Fuel Tank Program

I. Agency Information

DATE: March 31, 1999

AGENCY NAME	California Regional Water Quality Control Board - Santa Ana Region	STAFF	Patricia Hannon
ADDRESS	3737 Main St. Suite 500	TITLE	Associate Engineering Geologist
CITY/STATE/ ZIP	Riverside CA 92501-3339	PHONE	(909) 782-4498, main # 782-4130

II. Case Information

SITE NAME	Refueling and Vehicle Maintenance Shop, UST Site 672 and 672B			
LOCATION	Bldg 672, MCAS El Toro			
REGIONAL BOARD CASE #	083003209T	LOCAL AGENCY CASE #	NA	
RESPONSIBLE PARTIE	ADDRESS		PHONE NUMBER	
USMCAS El Toro contact: Wayne D. Lee, Assistant Chief of Staff Environment and Safety	P.O. Box 95000 Santa Ana, CA 92709-5000			
TANK NO.	SIZE IN GALLONS	CONTENTS	CLOSED IN PLACE/ REMOVED	DATE
672	100	diesel	removed	1/29/97
672B	1000	JP-5	removed	1/29/97

III. Release and Site Characterization Information

MONITORING WELLS INSTALLED?	no	NUMBER	NA	PROPER SCREEN INTERVAL?	NA
DEEPEST GW DEPTH	NA	SHALLOWEST GW DEPTH	83 ft. (well 08UGMW29 located ~300 ft. away)		
GROUNDWATER, MOST SENSITIVE CURRENT USE:		municipal	GW FLOW DIRECTION	northwest	
DRINKING WATER WELL(S) AFFECTED?		no	AQUIFER NAME		Irvine Pressure
IS SURFACE WATER AFFECTED?		no	NEAREST/AFFECTED SW NAME		na
OFF-SITE BENEFICIAL USE IMPACTS (ADDRESSES/LOCATIONS):			none		
REPORT(S) ON FILE?	yes	WHERE IS/ARE REPORT(S) FILED?		R.W.Q.C.B. - Santa Ana Region	
TREATMENT AND DISPOSAL OF AFFECTED MATERIAL					
MATERIAL	AMOUNT	ACTION (TREATMENT, DISPOSAL)/ DESTINATION			DATE
TANK/PIPING	2 tanks,	Piping was abandoned in place. USTs were sent to the Defense Reutilization and Marketing Office for recycling.			1/29/97
FREE PRODUCT	none				
SOIL	247 yds ³	Treated at the Station's bioremediation treatment facility			1997
GROUNDWATER	none				

III. Release and Site Characterization Information (Continued)

Maximum Document Contaminant Concentration - Before and After Cleanup				
CONTAMINANT	SOIL (mg/kg)		WATER (µg/L)	
	INITIAL	FINAL	INITIAL	CURRENT
BENZENE	0.528	2.9 (29.5 ft.)	NA	NA
TOLUENE	3.3 (5ft)	0.270	NA	NA
ETHYLBENZENE	7.8 (10 ft.)	16 (29.5 ft.)	NA	NA
XYLENE	39 (10 ft.)	18 (29.5 ft.)	NA	NA
MTBE	na	na	NA	NA
TPH- JP-5	11000	6200	NA	NA
TPH - Diesel	26700 (10 ft.)	23000 (30 ft.)	NA	NA
TPH- Gasoline	2540 (5 ft.)	ND	NA	NA
TPH as motor oil	na	28	NA	NA
TPH (418.1)	18136 (5 ft.)	2770	NA	NA
COMMENTS REGARDING INVESTIGATION AND REMEDIATION				
<p>Two USTs were removed and discolored soil was observed on the southwest and northwest sidewalls of the excavation. Three hand-auger borings were drilled to 20 feet deep. Based on the analytical results of the soil sampling, additional petroleum contaminated soil (200 yds³) was removed down to approximately 18 feet below grade. Nine confirmation soil samples were collected. Soil samples were analyzed by EPA method 8015m for TPH and method 8020 for BTEX. One sample was analyzed using the Synthetic Precipitation Leaching Procedure (SPLP). The excavation was backfilled with clean stockpiled soil, imported fill sand and road base material and compacted.</p> <p>Five soil borings were drilled in the vicinity of the excavation to determine the vertical extent of the petroleum hydrocarbons in the soil. Two soil borings were drilled to 40 feet deep and three were drilled to 80 feet deep. Soil samples were collected and submitted for analysis. Groundwater was not detected at 80 feet.</p> <p>The remaining petroleum concentrations do not appear to be a threat to groundwater, which is greater than 80 feet from the surface. Based on the information provided in the March 12, 1998, <u>Tank Removal and Site Closure Report</u> for USTs 762 and 672B, this site is recommended for closure.</p>				

IV. Closure

DOES COMPLETED CORRECTIVE ACTION PROTECT <i>EXISTING</i> BENEFICIAL USES PER REGIONAL BOARD BASIN PLAN?				yes		
DOES COMPLETED CORRECTIVE ACTION PROTECT <i>POTENTIAL</i> BENEFICIAL USES PER THE REGIONAL BOARD BASIN PLAN?				yes		
MONITORING WELLS DECOMMISSIONED		NUMBER DECOMMISSIONED		na	NUMBER RETAINED	na
LIST ENFORCEMENT ACTIONS TAKEN			none			
LIST ENFORCEMENT ACTIONS RESCINDED			none			

V. Regional Board Representative Data

STAFF	Patricia Hannon	TITLE	Associate Engineering Geologist
SIGNATURE	<i>Patricia Hannon</i>	DATE	3/31/99
SUPERVISOR	Michael Adackapara	TITLE	Senior WRC Engineer
SIGNATURE	<i>Michael Adackapara</i>	DATE	4/2/99



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Santa Ana Region

Internet Address: <http://www.swrcb.ca.gov/~rwqcb8>
3737 Main Street, Suite 500, Riverside, California 92501-3339
Phone (909) 782-4130 • FAX (909) 781-6288



Gray Davis
Governor

March 18, 1999

Mr. Wayne D. Lee
Assistant Chief of Staff
Environment and Safety
Marine Corps Air Station El Toro
P. O. Box 95001
Santa Ana CA 92709-5001

**SUBJECT: CLOSURE OF UNDERGROUND STORAGE TANK (UST) CASE
UST SITE 224
FORMER BLDG 224, MCAS EL TORO, ORANGE COUNTY
CASE NO. 083003353T**

Dear Mr. Lee:

This letter confirms the completion of the site investigation of the release from the underground storage tank formerly located at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

The UST was taken out of service in 1959 and filled with sand. The piping was removed in October 1996. The UST was not found when the piping was removed. Four soil borings were drilled to approximately 50 feet at the former UST location and soil samples were collected for analysis. The soil samples were analyzed and petroleum hydrocarbon, BTEX compounds and MTBE were not detected. Low concentrations of petroleum hydrocarbons (diesel and TRPH) were detected in one soil sample collected during removal of the piping. The remaining petroleum hydrocarbon concentrations at the site do not appear to be a threat to water quality.

Based on the information provided in the April 30, 1998 Site Assessment Report, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721 (e).

California Environmental Protection Agency

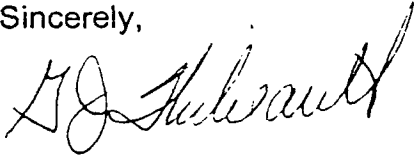
Mr. Lee

- 2 -

March 18, 1999

Please telephone Patricia Hannon at (909) 782-4498 if you have any questions regarding this matter.

Sincerely,



Gerard J. Thibeault
Executive Officer

Attachment: Case Closure Summary

cc w/ attachment: Dept. of Toxic Substances Control - Tayseer Mahmoud
Kutak Rock, Attorneys - Gregory F. Hurley
Marine Corps Air Station El Toro - Capt. Jeff Matthews
Naval Facility Engineering Command, SWDIV - Lynn Hornecker
Orange County Hall of Administration - Courtney Wiercioch
Orange County Health Care Agency - Arghavan Rashidi-Fard
State Water Resources Control Board - John Adams
U. S. EPA, Region IX - Glenn Kistner

CASE CLOSURE SUMMARY

Leaking Underground Fuel Tank Program

I. Agency Information

DATE: March 16, 1999

AGENCY NAME	California Regional Water Quality Control Board - Santa Ana Region	STAFF	Patricia Hannon
ADDRESS	3737 Main St. Suite 500	TITLE	Associate Engineering Geologist
CITY/STATE/ ZIP	Riverside CA 92501-3339	PHONE	(909) 782-4498, main # 782-4130

II. Case Information

SITE NAME		UST site 224		
LOCATION		near building 224, El Toro MCAS		
REGIONAL BOARD CASE #		083003353T	LOCAL AGENCY CASE #	na
RESPONSIBLE PARTIES		ADDRESS	PHONE NUMBER	
U. S. Marine Corps, El Toro		P.O. Box 95001		
contact: Wayne D. Lee		Santa Ana CA 92709-5001		
TANK NO.	SIZE IN GALLONS	CONTENTS	CLOSED IN PLACE/ REMOVED	DATE
UST 224	500	fuel oil	Closed in place, filled w/ sand	1959

III. Release and Site Characterization Information

MONITORING WELLS INSTALLED?	no	NUMBER		PROPER SCREEN INTERVAL?	
DEEPEST GW DEPTH	120 ft.		SHALLOWEST GW DEPTH		
GROUNDWATER, MOST SENSITIVE CURRENT USE:			municipal	GW FLOW DIRECTION	
DRINKING WATER WELL(S) AFFECTED?		no	AQUIFER NAME		
IS SURFACE WATER AFFECTED?		no	NEAREST/AFFECTED SW NAME		
OFF-SITE BENEFICIAL USE IMPACTS (ADDRESSES/LOCATIONS):				no	
REPORT(S) ON FILE?	yes	WHERE IS/ARE REPORT(S) FILED?		R.W.Q.C.B. - Santa Ana Region	
TREATMENT AND DISPOSAL OF AFFECTED MATERIAL					
MATERIAL	AMOUNT	ACTION (TREATMENT, DISPOSAL)/ DESTINATION			DATE
TANK/PIPING	piping	removed			October 1996
FREE PRODUCT					
SOIL					
GROUNDWATER					

III. Release and Site Characterization Information (Continued)

Maximum Document Contaminant Concentration - Before and After Cleanup				
CONTAMINANT	SOIL (mg/kg)		WATER (mg/L)	
	INITIAL	CURRENT	INITIAL	CURRENT
BENZENE	NA	ND	NA	NA
TOLUENE	NA	ND	NA	NA
ETHYLBENZENE	NA	ND	NA	NA
XYLENE	NA	ND	NA	NA
MTBE	NA	ND	NA	NA
TPH	NA	ND	NA	NA
TPH - D	NA	43	NA	NA
TPH (418.1)	NA	58	NA	NA

COMMENTS REGARDING INVESTIGATION AND REMEDIATION

The UST was taken out of service in 1959 and filled with sand. The piping was removed in October 1996. The UST was not found when the piping was removed. Documentation regarding the UST removal was not found, according to the April 30 1998 Site Assessment Report. Four soil borings were drilled to approximately 50 feet at the former UST location and soil samples were collected for analysis. The soil samples were analyzed and petroleum hydrocarbon BTEX compounds and MTBE were not detected. Low concentrations of petroleum hydrocarbons (diesel and TRPH) were detected in one soil sample collected during the removal of the piping. The remaining petroleum hydrocarbon concentrations at the site do not appear to be a threat to water quality.

Based on the information received this case is recommended for closure.

IV. Closure

DOES COMPLETED CORRECTIVE ACTION PROTECT <i>EXISTING</i> BENEFICIAL USES PER REGIONAL BOARD BASIN PLAN?	yes
DOES COMPLETED CORRECTIVE ACTION PROTECT <i>POTENTIAL</i> BENEFICIAL USES PER THE REGIONAL BOARD BASIN PLAN?	yes
LIST ENFORCEMENT ACTIONS TAKEN	
LIST ENFORCEMENT ACTIONS RESCINDED	

V. Regional Board Representative Data

STAFF	Patricia Hannon	TITLE	Associate Engineering Geologist
SIGNATURE	<i>Patricia A Hannon</i>	DATE	3/16/99
SUPERVISOR	Michael Adackapara	TITLE	Senior WRC Engineer
SIGNATURE	<i>m adackapara</i>	DATE	3/17/99



Department of Toxic Substances Control



Winston H. Hickox
Secretary for
Environmental
Protection

Jesse R. Huff, Director
5796 Corporate Avenue
Cypress, California 90630

Gray Davis
Governor

March 9, 1999

Mr. Joseph Joyce
BRAC Environmental Coordinator
U.S. Marine Corps Air Station - El Toro
AC/S, Environmental (1AU), BRAC Building #899
P. O. Box 95001
Santa Ana, California 92709-5001

Dear Mr. Joyce:

CLOSURE REPORT APPROVAL: TEMPORARY ACCUMULATION AREA (TAA) 77 AT MARINE CORPS AIR STATION (MCAS) EI TORO

The Department of Toxic Substances Control (DTSC) has reviewed the closure report for the above subject site dated December 1998 and the supplemental information dated March 1, 1999, prepared by OHM Remediation Services Corp. The report summarizes the results of the field activities conducted at TAA 77, a site which was used as a temporary hazardous waste storage area. The TAA 77 site is a fenced asphalt-paved area approximately 20 feet long and 10 feet wide located in the northwest quadrant of the Station.

Based on the report, the site-related residential cancer risk and non cancer hazard indexes are within the acceptable ranges. DTSC, therefore concurs with the findings and conclusions of the closure report, and the report is hereby approved.

If you have any questions, please contact Mr. Tayseer Mahmoud, Remedial Project Manager, at (714) 485-5418.

Sincerely,

Sharon Fair
Unit Chief
Base Closure Unit
Office of Military Facilities

cc: See next page

Mr. Joseph Joyce

March 9, 1999

Page 2

cc: Mr. Glenn Kistner, SFD-8-2
Remedial Project Manager
U. S. Environmental Protection Agency
Region IX
Superfund Division
75 Hawthorne Street
San Francisco, California 94105-3901

Ms. Patricia Hannon
Remedial Project Manager
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Mr. Gregory F. Hurley
Restoration Advisory Board Co-chair
620 Newport Center Drive, Suite 450
Newport Beach, California 92660-8019

Ms. Polin Modanlou
MCAS El Toro Local Redevelopment Authority
10 Civic Center Plaza, 2nd Floor
Santa Ana, California 92703

Mr. Bill Sedlak
OHM Remediation Services Corp.
2031 Main Street
Irvine, California 92614

Ms. Lynn Hornecker
Remedial Project Manager
Naval Facilities Engineering Command
Southwest Division - Code 5BME.LH
1220 Pacific Highway
San Diego, California 92132-5187



Department of Toxic Substances Control



Winston H. Hickox
Secretary for
Environmental
Protection

Jesse R. Huff, Director
5796 Corporate Avenue
Cypress, California 90630

Gray Davis
Governor

March 16, 1999

Mr. Joseph Joyce
BRAC Environmental Coordinator
U.S. Marine Corps Air Station - El Toro
AC/S, Environmental (1AU), BRAC Building #899
P. O. Box 95001
Santa Ana, California 92709-5001

Dear Mr. Joyce:

CLOSURE REPORT APPROVAL: TEMPORARY ACCUMULATION AREA (TAA) 314 AT MARINE CORPS AIR STATION (MCAS) EL TORO

The Department of Toxic Substances Control (DTSC) has reviewed the closure report for the above subject site dated December 23, 1998, and received by us on January 20, 1999, prepared by OHM Remediation Services Corp. The report summarizes the results of the field activities conducted at TAA 314. It is also known as Solid Waste Management Unit (SWMU) 269, a Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) site used for temporary storage of hazardous waste. The site consists of a fuel locker placed on a concrete-paved area located next to Oil Water Separator 314C near Building 314 in the southwestern quadrant of the Station.

Based on the report, the site-related residential cancer risk and non cancer hazard indexes are within the acceptable ranges. DTSC, therefore concurs with the findings and conclusions of the closure report, and the report is hereby approved.

If you have any questions, please contact Mr. Tayseer Mahmoud, Remedial Project Manager, at (714) 484-5418.

Sincerely,

Sharon Fair
Unit Chief
Base Closure Unit
Office of Military Facilities

cc: See next page

Mr. Joseph Joyce
March 16, 1999
Page 2

cc: Mr. Glenn Kistner, SFD-8-2
Remedial Project Manager
U. S. Environmental Protection Agency
Region IX
Superfund Division
75 Hawthorne Street
San Francisco, California 94105-3901

Ms. Patricia Hannon
Remedial Project Manager
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Mr. Gregory F. Hurley
Restoration Advisory Board Co-chair
620 Newport Center Drive, Suite 450
Newport Beach, California 92660-8019

Ms. Polin Modanlou
MCAS El Toro Local Redevelopment Authority
10 Civic Center Plaza, 2nd Floor
Santa Ana, California 92703

Mr. Bill Sedlak
OHM Remediation Services Corp.
2031 Main Street
Irvine, California 92614

Ms. Lynn Hornecker
Remedial Project Manager
Naval Facilities Engineering Command
Southwest Division - Code 5BME.LH
1220 Pacific Highway
San Diego, California 92132-5187



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Santa Ana Region

Internet Address: <http://www.swrcb.ca.gov/~rwqcb8>
3737 Main Street, Suite 500, Riverside, California 92501-3339
Phone (909) 782-4130 • FAX (909) 781-6288



Gray Davis
Governor

March 18, 1999

Mr. Wayne D. Lee
Assistant Chief of Staff
Environment and Safety
Marine Corps Air Station El Toro
P. O. Box 95001
Santa Ana CA 92709-5001

CASE CLOSURE, ABOVE GROUND STORAGE TANKS (AST) AST 322 AND AST 322B

Dear Mr. Lee:

This letter confirms the completion of the site investigation of the releases from AST 322 and AST 322B. Enclosed is the Case Closure Summary for the referenced site for your records.

Based on the information provided in the April 3, 1998 Tank Closure Report for Aboveground Storage Tanks 322 And 322B and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the above ground storage tank release is required.

If you have any questions regarding this matter, please call Patricia Hannon at (909) 782-4498.

Sincerely,

Gerard J. Thibeault
Executive Officer

Attachment: Case Closure Summary

cc w/ attachment: Dept. of Toxic Substances Control - Tayseer Mahmoud
Kutak Rock, Attorneys - Gregory F. Hurley
Marine Corps Air Station El Toro - Capt. Jeff Matthews
Naval Facility Engineering Command, SWDIV - Lynn Hornecker
Orange County Hall of Administration - Courtney Wiercioch
State Water Resources Control Board - John Adams
U. S. EPA, Region IX - Glenn Kistner

California Environmental Protection Agency

CASE CLOSURE SUMMARY **ABOVE GROUND STORAGE TANK**

I. Agency Information

DATE: March 16, 1999

AGENCY NAME	California Regional Water Quality Control Board - Santa Ana Region	STAFF	Patricia Hannon
ADDRESS	3737 Main St. Suite 500	TITLE	Associate Engineering Geologist
CITY:STATE/ ZIP	Riverside CA 92501-3339	PHONE	(909) 782-4498, main # 782-4130

II. Case Information

SITE NAME	Above Ground Storage Tanks 322 and 322B			
LOCATION	Building 322, MCAS El Toro			
RESPONSIBLE PARTIES	ADDRESS	PHONE NUMBER		
MCAS El Toro	P. O. Box 95001			
contact: Wayne D. Lee	Santa Ana CA 92709-5001			
TANK NO.	SIZE IN GALLONS	CONTENTS	CLOSED IN PLACE/ REMOVED	DATE
322	800	fuel oil	removed	1/30/98
322B	300	steam	removed	1/30/98

III. Release and Site Characterization Information

MONITORING WELLS INSTALLED?	no	NUMBER	na	PROPER SCREEN INTERVAL?	na
DEEPEST GW DEPTH	na		SHALLOWEST GW DEPTH	na	
GROUNDWATER, MOST SENSITIVE CURRENT USE:			municipal	GW FLOW DIRECTION	
DRINKING WATER WELL(S) AFFECTED?		no		AQUIFER NAME	Irvine Pressure
IS SURFACE WATER AFFECTED?		no		NEAREST/AFFECTED SW NAME	
OFF-SITE BENEFICIAL USE IMPACTS (ADDRESSES/LOCATIONS):				no	
REPORT(S) ON FILE?	yes	WHERE IS/ARE REPORT(S) FILED?			R.W.Q.C.B. - Santa Ana Region
Maximum Document Contaminant Concentration - Before and After Cleanup					
CONTAMINANT	SOIL (mg/kg)		WATER (mg/L)		
	INITIAL	CURRENT	INITIAL	CURRENT	
BENZENE	NA	ND	NA	NA	
TOLUENE	NA	ND	NA	NA	
ETHYLBENZENE	NA	ND	NA	NA	
XYLENE	NA	ND	NA	NA	
MTBE	NA	NA	NA	NA	
TPH	NA	ND	NA	NA	
TPH - D	NA	160	NA	NA	
TPH (418.1)	NA	NA	NA	NA	

III. Release and Site Characterization Information (Continued)

COMMENTS REGARDING INVESTIGATION AND REMEDIATION

A 800 gallon steel fuel oil AST and a 300 gallon steel steam supply AST were removed. Soil samples were collect along the pipeline trench and analyzed for benzene, toluene, ethylbenzene, toluene (BTEX) and total petroleum hydrocarbons (TPH). One soil sample contained 160 mg/kg of total petroleum hydrocarbon diesel range. BTEX were not detected in the soil samples collected. The residual contamination does not appear to be a threat to water quality.

IV. Closure

DOES COMPLETED CORRECTIVE ACTION PROTECT <i>EXISTING</i> BENEFICIAL USES PER REGIONAL BOARD BASIN PLAN?				YES	
DOES COMPLETED CORRECTIVE ACTION PROTECT <i>POTENTIAL</i> BENEFICIAL USES PER THE REGIONAL BOARD BASIN PLAN?				YES	
MONITORING WELLS DECOMMISSIONED	NA	NUMBER DECOMMISSIONED	NA	NUMBER RETAINED	NA
LIST ENFORCEMENT ACTIONS TAKEN		none			
LIST ENFORCEMENT ACTIONS RESCINDED		none			

V. Regional Board Representative Data

STAFF	Patricia Hannon	TITLE	Associate Engineering Geologist
SIGNATURE	<i>Patricia Hannon</i>	DATE	3/16/99
SUPERVISOR	Michael Adackapara	TITLE	Senior WRC Engineer
SIGNATURE	<i>m adackapara</i>	DATE	3/17/99

VI. Additional Comments, Data etc.

--



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Santa Ana Region

Internet Address: <http://www.swrcb.ca.gov/~rwqcb8>
3737 Main Street, Suite 500, Riverside, California 92501-3339
Phone (909) 782-4130 • FAX (909) 781-6288



Gray Davis
Governor

March 18, 1999

Mr. Wayne D. Lee
Assistant Chief of Staff
Environment and Safety
Marine Corps Air Station El Toro
P. O. Box 95001
Santa Ana CA 92709-5001

CASE CLOSURE, ABOVE GROUND STORAGE TANKS (AST) 335

Dear Mr. Lee:

This letter confirms the completion of the site investigation of the releases from AST 335. Enclosed is the Case Closure Summary for the referenced site for your records.

Based on the information provided in the April 30, 1998 Tank Closure Report for Above-ground Storage Tank 335 and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the above ground storage tank release is required.

If you have any questions regarding this matter, please call Patricia Hannon at (909) 782-4498.

Sincerely,

Gerard J. Thibeault
Executive Officer

Attachment: Case Closure Summary

cc w/ attachment: Dept. of Toxic Substances Control - Tayseer Mahmoud
Kutak Rock, Attorneys - Gregory F. Hurley
Marine Corps Air Station El Toro - Capt. Jeff Matthews
Naval Facility Engineering Command, SWDIV - Lynn Hornecker
Orange County Hall of Administration - Courtney Wiercioch
State Water Resources Control Board - John Adams
U. S. EPA, Region IX - Glenn Kistner

California Environmental Protection Agency

III. Release and Site Characterization Information (Continued)

COMMENTS REGARDING INVESTIGATION AND REMEDIATION

A 500 gallon AST and the above and below ground piping was removed. No staining was observed on the concrete pad or on the soil nearby. Soil samples were collect from the piping trench and analyed for total petroleum hydrocarbons and BTEX. Low concentrations of long chain petroleum hydrocarbons were detected in three of the four soil samples collected. The concentrations ranged from non-detect to 150 mg/kg. No other TPH compounds or BTEX were detected in the soil samples collected. The residual contamination does not appear to be a threat to water quality.

This case is recommended for closure.

IV. Closure

DOES COMPLETED CORRECTIVE ACTION PROTECT <i>EXISTING</i> BENEFICIAL USES PER REGIONAL BOARD BASIN PLAN?				YES	
DOES COMPLETED CORRECTIVE ACTION PROTECT <i>POTENTIAL</i> BENEFICIAL USES PER THE REGIONAL BOARD BASIN PLAN?				YES	
MONITORING WELLS DECOMMISSIONED	NA	NUMBER DECOMMISSIONED	NA	NUMBER RETAINED	NA
LIST ENFORCEMENT ACTIONS TAKEN		none			
LIST ENFORCEMENT ACTIONS RESCINDED		none			

V. Regional Board Representative Data

STAFF	Patricia Hannon	TITLE	Associate Engineering Geologist
SIGNATURE	<i>Patricia Hannon</i>	DATE	3/16/99
SUPERVISOR	Michael Adackapara	TITLE	Senior WRC Engineer
SIGNATURE	<i>mjadackapara</i>	DATE	3/17/99

VI. Additional Comments, Data etc.

--

CASE CLOSURE SUMMARY **ABOVE GROUND STORAGE TANK**

I. Agency Information

DATE: March 16, 1999

AGENCY NAME	California Regional Water Quality Control Board - Santa Ana Region	STAFF	Patricia Hannon
ADDRESS	3737 Main St. Suite 500	TITLE	Associate Engineering Geologist
CITY/STATE/ ZIP	Riverside CA 92501-3339	PHONE	(909) 782-4498, main # 782-4130

II. Case Information

SITE NAME	Above Ground Storage Tank 335			
LOCATION	Building 335, MCAS El Toro			
RESPONSIBLE PARTIES	ADDRESS		PHONE NUMBER	
MCAS El Toro	P. O. Box 95001			
contact: Wayne D. Lee	Santa Ana CA 92709-5001			
TANK NO.	SIZE IN GALLONS	CONTENTS	CLOSED IN PLACE/ REMOVED	DATE
AST 335	500	fuel oil	removed	1/28/98

III. Release and Site Characterization Information

MONITORING WELLS INSTALLED?	no	NUMBER	na	PROPER SCREEN INTERVAL?	na
DEEPEST GW DEPTH	na		SHALLOWEST GW DEPTH		na
GROUNDWATER, MOST SENSITIVE CURRENT USE:			municipal	GW FLOW DIRECTION	
DRINKING WATER WELL(S) AFFECTED?		no	AQUIFER NAME		Irvine Pressure
IS SURFACE WATER AFFECTED?		no	NEAREST/AFFECTED SW NAME		
OFF-SITE BENEFICIAL USE IMPACTS (ADDRESSES/LOCATIONS):				no	
REPORT(S) ON FILE?		yes	WHERE IS/ARE REPORT(S) FILED?		R.W.Q.C.B. - Santa Ana Region
Maximum Document Contaminant Concentration - Before and After Cleanup					
CONTAMINANT	SOIL (mg/kg)		WATER (mg/L)		
	INITIAL	CURRENT	INITIAL	CURRENT	
BENZENE	ND	NA	NA	NA	
TOLUENE	ND	NA	NA	NA	
ETHYLBENZENE	ND	NA	NA	NA	
XYLENE	ND	NA	NA	NA	
MTBE	NA	NA	NA	NA	
TPH (heavy)	150	NA	NA	NA	
TPH - D	ND	NA	NA	NA	
TPH (418.1)	NA	NA	NA	NA	

Mar 22 4 11 PM '99



California Regional Water Quality Control Board

Santa Ana Region



Winston H. Hickox
Secretary for
Environmental
Protection

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Gray Davis
Governor

March 17, 1999

Mr. Wayne D. Lee
Assistant Chief of Staff
Environment and Safety
Marine Corps Air Station El Toro
P. O. Box 95001
Santa Ana CA 92709-5001

CASE CLOSURE, ABOVE GROUND STORAGE TANKS (AST) 797

Dear Mr. Lee:

We have completed our review of the April 22, 1998 Tank Closure Report for Above-ground Storage Tank 797. The tank was located in a paved area being used as a hazardous waste temporary accumulation area (TAA). According to the report there is "no evidence that a release occurred at this site."

We understand from the report that staining was observed on the concrete, however no soil samples were collected since this area is still being used as a hazardous waste temporary accumulation area and "will be decontaminated and/or sampled when it is taken out of service."

We acknowledge the closure of this above-ground storage tank.

Based on the information provided in the April 22, 1998 Tank Closure Report for Above-ground Storage Tank 797 and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the above ground storage tank is required.

If you have any questions, please call me at (909) 782-4498.

Sincerely,

Patricia A. Hannon
DoD Section

cc w/ attachment: Dept. of Toxic Substances Control - Tayseer Mahmoud
Kutak Rock, Attorneys - Gregory F. Hurley
Marine Corps Air Station El Toro - Capt. Jeff Matthews
✓ Naval Facility Engineering Command, SWDIV - Lynn Hornecker
Orange County Hall of Administration - Courtney Wiercioch
State Water Resources Control Board - John Adams
U. S. EPA, Region IX - Glenn Kistner

California Environmental Protection Agency



Winston H. Hickox
Secretary for
Environmental
Protection

Department of Toxic Substances Control

Jesse R. Huff, Director
5796 Corporate Avenue
Cypress, California 90630



Gray Davis
Governor

March 15, 1999

Mr. Joseph Joyce
BRAC Environmental Coordinator
U.S. Marine Corps Air Station - El Toro
AC/S, Environmental (1AU), BRAC Building #899
P. O. Box 95001
Santa Ana, California 92709-5001

Dear Mr. Joyce:

COMMENTS ON TECHNICAL MEMORANDUM PROGRESS REPORT, PHASE I VADOSE ZONE REMEDIATION ACTIVITIES, SITE 24, MARINE CORPS AIR STATION (MCAS) EI TORO

The Department of Toxic Substances Control (DTSC) has completed the review of the above subject report dated February 12, 1999. The progress report describes start-up and testing activities that were conducted during the period from late December 1998 through late January 1999. Based on our review of the document, we request the following be incorporated into future submissions of Monthly Progress Reports:

In Exhibits 1 through 4, the *Monthly Progress Report* compares the numerical values of various TCE concentrations collected as of January 1999 from various soil vapor extraction wells and piezometers to that of the target threshold value of the *Interim Record of Decision* (ROD).

The types of concentration comparisons offered in the *Monthly Progress Report* are useful as a very general yardstick of remediation progress. However, DTSC would like to caution that those comparisons should not be taken beyond their general sense. The reason for this is that the concentration data from the various soil vapor extraction wells were collected during variable dynamic and static conditions, which are difficult to compare. In addition, the dynamic soil vapor data were collected at various times during the extraction operations whose duration varied widely. Similarly, the static concentration values were collected at various times after extraction periods. Also, the soil vapor wells interact pneumatically, which further complicates the analysis of the subsurface concentrations during unsteady state conditions. Thus, such high variability of conditions makes comparison of data points to each other and to the ROD values difficult at this time.

Mr. Joseph Joyce
March 15, 1999
Page 2

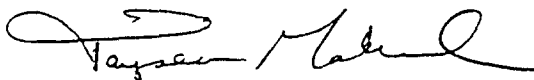
As an example, consider the two bar charts that indicate the TCE soil vapor concentrations around Buildings 296 and 297. The charts mix static concentrations from piezometers with dynamic concentrations from operating extraction wells. In addition, the dynamic data from the wells were collected at the end of test runs that were of variable durations. Since soil vapor concentrations decrease the most during the initial phases of any extraction, data collected at the end of 1-day tests may not be comparable to those which were collected at the end of 7-day tests.

At this stage of the design, most of the data comes from short-term flow tests and from piezometers. Because such data are generated under different conditions and are therefore not fully comparable, DTSC requests that graphics be eliminated from the *Monthly Progress Report* until routine extraction well concentration monitoring data is available that can be cross-referenced to sustained regional operational periods.

To effect the collection of routine concentration data, DTSC requests that concentration (using appropriately calibrated PID), applied vacuum, status of air dilution valves (if any), and extraction flow rates be monitored at the head of each operating extraction well on at least a quarterly basis, e.g., March, June, September, and December. To avoid data gaps for extraction wells that are not operated continuously from one quarter to the next, such extraction wells should be monitored just prior to shut down. Similarly, DTSC requests that all extraction wells that are started up between monitoring periods be monitored within the first day of their start-up, and then regularly under the quarterly schedule. We also request that such information be integrated into a tabular format and cross-referenced to the various operating events, involving the soil vapor extraction system. Such information should then be submitted in the appropriate *Monthly Progress Reports*.

DTSC values the opportunity to comment on the various ongoing activities and events that shape the remediation of the site, and to work cooperatively toward the eventual cleanup of the site. If you have any questions, please call me at (714) 484-5418.

Sincerely,



Tayseer Mahmoud
Remedial Project Manager
Office of Military Facilities
Southern California Operations

cc: See next page.

Mr. Joseph Joyce
March 15, 1999
Page 3

cc: Mr. Glenn Kistner
Remedial Project Manager
U. S. Environmental Protection Agency
Region IX
Superfund Division (SFD-8-2)
75 Hawthorne Street
San Francisco, California 94105-3901

Ms. Patricia Hannon
Remedial Project Manager
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Mr. Gregory F. Hurley
Restoration Advisory Board Co-chair
620 Newport Center Drive, Suite 450
Newport Beach, California 92660-8019

Ms. Polin Modanlou
MCAS El Toro Local Redevelopment Authority
10 Civic Center Plaza, 2nd Floor
Santa Ana, California 92703

Mr. Laszlo Saska, P.E.
Department of Toxic Substances Control
Hazardous Substances Engineer
Engineering Services Unit, HQ-29
P.O. Box 806
Sacramento, California 95812-0806

Mr. Dave B. DeMars
Remedial Project Manager
Naval Facilities Engineering Command
Southwest Division - Code 5BME.DD
1220 Pacific Highway
San Diego, California 92132-5187

Mr. Joseph Joyce

March 15, 1999

Page 4

cc: Mr. Crispin Wanyoike
Earth Tech, Inc.
100 West Broadway, Suite 5000
Long Beach, California 90802



UNITED STATES MARINE CORPS

HEADQUARTERS MARINE CORPS AIR STATION EL TORO

PO BOX 95001

SANTA ANA CA 92709-5001

IN REPLY REFER TO

6284

1AU

6 Apr 99

Mr. Tayseer Mahmoud
Department of Toxic Substances Control
3796 Corporate Avenue
Cypress, CA 90630-4700

Dear Mr. Mahmoud:

Thank you for your comments on the Progress Report for Phase I Vadose Zone Remediation Activities, Site 24, Marine Corps Air Station, El Toro, dated February 12, 1999.

The purpose of the monthly progress reports is to present field and laboratory information collected during the start-up, testing and evaluation phase of the remediation activities at Site 24. The progress reports are not intended to evaluate data or draw conclusions, and are not decision documents.

Now that the "formal" remediation phase at Site 24 has begun, subsequent monthly progress reports will contain the information that you have requested, to include a SVE well operation summary with operation times, flow rates, concentrations, etc.

We will keep you informed of our progress. Please contact David DeMars, Remedial Project Manager at (619) 532-4163 if you have further questions or comments.

Sincerely,

JOSEPH JOYCE
Base Realignment and Closure
Environmental Coordinator
By direction of
the Commanding Officer

Copy to:

Mr. Glenn Kistner, U.S. EPA, Region IX
Ms. Patricia Hannon, Cal RWQCB, Santa Ana Region
Mr. Gregory Hurley, Co-chair, RAB
Ms. Polin Modanlou, MCAS El Toro LRA
Mr. Laszlo Saske, P.E., DTSC, HQ-29
Mr. Crispin Wanyoike, Earth Tech, Inc.



UNITED STATES MARINE CORPS

HEADQUARTERS MARINE CORPS AIR STATION EL TORO
PO BOX 95001
SANTA ANA CA 92709-5001

IN REPLY REFER TO:

6284
1AU
11 Feb 99

U. S. Environmental Protection Agency
Region IX, SFD-8-2
Attn: Mr. Glenn Kistner
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Mr. Kistner:

Provided for your information as enclosure (1) are documents for Oil/Water Separator (OWS) 244 (also known as Solid Waste Management Unit (SWMU) 68), OWS 388C (SWMU 118), OWS 392, OWS 652, UST 673B (SWMU 180), OWS 676, UST 380B, and SWMU 273 that support the deletion of these eight (8) non-existent (or phantom) Environmental Locations of Concern (LOCs) from the Base Realignment and Closure Cleanup Plan (1999 update) for the Marine Corps Air Station, El Toro.

We acquired and reviewed historical records and current environmental program management plans and reports, conducted visual inspections of the sites, and determined that these sites do not exist or that they were incorrectly designated as LOCs.

Please call me at (949) 726-3470 if you have any questions.

Sincerely,

JOSEPH JOYCE
Base Realignment and Closure
Environmental Coordinator

Enclosure: 1. Documentation for OWS 244, OWS 388C, OWS 392, OWS 652,
OWS 676, UST 380B, UST 673B, and SWMU 273

Copy to: (w/encl.)
Mr. Tayseer Mahmoud, Cal-EPA
Ms. Patricia Hannon, RWQCB



UNITED STATES MARINE CORPS

HEADQUARTERS MARINE CORPS AIR STATION EL TORO

PO BOX 95001

SANTA ANA CA 92709-5001

IN REPLY REFER TO:

6284

1AU

11 Feb 99

State of California Environmental Protection Agency
Department of Toxic Substances Control, Region 4
Attn: Mr. Tayseer Mahmoud
Site Mitigation Branch
Base Closure Unit
245 W. Broadway, Suite 425
Long Beach, CA 90802-4444

Dear Mr. Mahmoud:

Provided for your information as enclosure (1) are documents for Oil/Water Separator (OWS) 244 (also known as Solid Waste Management Unit (SWMU) 68), OWS 388C (SWMU 118), OWS 392, OWS 652, UST 673B (SWMU 180), OWS 676, UST 380B, and SWMU 273 that support the deletion of these eight (8) non-existent (or phantom) Environmental Locations of Concern (LOCs) from the Base Realignment and Closure Cleanup Plan (1999 update) for the Marine Corps Air Station, El Toro.

We acquired and reviewed historical records and current environmental program management plans and reports, conducted visual inspections of the sites, and determined that these sites do not exist or that they were incorrectly designated as LOCS.

Please call me at (949) 726-3470 if you have any questions.

Sincerely,

JOSEPH JOYCE

Base Realignment and Closure
Environmental Coordinator

Enclosure: 1. Documentation for OWS 244, OWS 388C, OWS 392, OWS 652, OWS 676, UST 380B, UST 673B, and SWMU 273

Copy to: (w/encl.)

Mr. Glenn Kistner, US EPA

Ms. Patricia Hannon, RWQCB



UNITED STATES MARINE CORPS

HEADQUARTERS MARINE CORPS AIR STATION EL TORO

PO BOX 95001

SANTA ANA CA 92709-5001

IN REPLY REFER TO:

6284

1AU

11 Feb 99

California Water Quality Control Board
Santa Ana Region
Attention: Ms. Patricia Hannon
3737 Main Street, Suite 500
Riverside, CA 92501-3339

Dear Ms. Hannon:

Provided for your information as enclosure (1) are documents for Oil/Water Separator (OWS) 244 (also known as Solid Waste Management Unit (SWMU) 68), OWS 388C (SWMU 118), OWS 392, OWS 652, UST 673B (SWMU 180), OWS 676, UST 380B, and SWMU 273 that support the deletion of these eight (8) non-existent (or phantom) Environmental Locations of Concern (LOCs) from the Base Realignment and Closure Cleanup Plan (1999 update) for the Marine Corps Air Station, El Toro.

We acquired and reviewed historical records and current environmental program management plans and reports, conducted visual inspections of the sites, and determined that these sites do not exist or that they were incorrectly designated as LOCs.

Please call me at (949) 726-3470 if you have any questions.

Sincerely,

JOSEPH JOYCE

Base Realignment and Closure
Environmental Coordinator

Enclosure: 1. Documentation for OWS 244, OWS 388C, OWS 392, OWS 652,
OWS 676, UST 380B, UST 673B, and SWMU 273

Copy to: (w/encl.)

Mr. Tayseer Mahmoud, Cal-EPA

Mr. Glenn Kistner, US EPA



Gray Davis
Governor

Department of Toxic Substances Control

Jesse R. Huff, Director
5796 Corporate Avenue
Cypress, California 90630



Winston Hickox
Secretary for
Environmental
Protection

March 17, 1999

Mr. Joseph Joyce
BRAC Environmental Coordinator
U.S. Marine Corps Air Station - El Toro
AC/S, Environmental (1AU), BRAC Building #899
P. O. Box 95001
Santa Ana, California 92709-5001

Dear Mr. Joyce:

COMMENTS ON TECHNICAL MEMORANDA FOR OIL WATER SEPARATORS (OWSs) 244, 388C, 392, 652, AND 676, UNDERGROUND STORAGE TANKS (USTs) 673B AND 380B, AND SOLID WASTE MANAGEMENT UNIT (SWMU) 273, MARINE CORPS AIR STATION (MCAS) EI TORO

The Department of Toxic Substances Control (DTSC) has reviewed eight (8) Technical Memoranda dated 1998 and received by us on February 19, 1999. These Technical Memoranda provide supporting documentation for the deletion of the eight (8) sites from the Base Realignment and Closure Cleanup Plan (BCP) (1999 update) for MCAS El Toro. The information provided includes historical records and current environmental program management plans and reports, and site inspections reports in support of the determination that the sites do not exist or that they were incorrectly designated as Environmental Locations of Concern (LOCs).

DTSC comments are as follows:

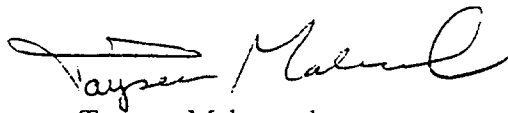
1. DTSC concurs with your determination that OWSs 244, 388C, 392, and 652 were incorrectly designated as LOCs. We also concur that UST 380B and SWMU 273 were incorrectly designated as LOCs. These LOCs can be deleted from the 1999 BCP.
2. DTSC will not be able to concur with your determination for OWS 676 until we have had a chance to inspect the area of this site. DTSC staff plans to conduct a visual inspection of the site on March 25, 1999. Please provide escorts to DTSC staff on March 25 to conduct inspection.

Mr. Joseph Joyce
March 17, 1999
Page 2

3. DTSC does not concur with your determination that UST 673B is a "phantom" site, because we do not accept your statement that a visual site inspection would reveal the presence of an underground storage tank. Please provide additional information to support your claim, or conduct a geophysical survey to verify the existence of the tank.

If you have any questions, please contact me at (714) 484-5418.

Sincerely,



Tayseer Mahmoud
Remedial Project Manager
Office of Military Facilities
Southern California Operations

cc: Mr. Glenn Kistner, SFD-8-2
Remedial Project Manager
U. S. Environmental Protection Agency
Region IX, Superfund Division
75 Hawthorne Street
San Francisco, California 94105-3901

Ms. Patricia Hannon
Remedial Project Manager
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339

Mr. Gregory F. Hurley
Restoration Advisory Board Co-chair
620 Newport Center Drive, Suite 450
Newport Beach, California 92660-8019

Ms. Polin Modanlou
MCAS El Toro Local Redevelopment Authority
10 Civic Center Plaza, 2nd Floor
Santa Ana, California 92703

Mr. Joseph Joyce
March 17, 1999
Page 3

cc: Mr. Bill Sedlak
OHM Remediation Services Corp.
2031 Main Street
Irvine, California 92614

Ms. Lynn Hornecker
Remedial Project Manager
Naval Facilities Engineering Command
Southwest Division - Code 5BME.LH
1220 Pacific Highway
San Diego, California 92132-5187



**OHM Remediation
Services Corp.**
A Subsidiary of OHM Corporation

OHM TRANSMITTAL/DELIVERABLE RECEIPT

CONTRACT N68711-93-D-1459

DOCUMENT CONTROL NO: SW6684

TO: Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Bozier H. Demaree, Code 02R.BD
Building 131
1220 Pacific Highway
San Diego, California 92132-5101

Date: 10-May-99

D.O.: 50

Location: MCAS EL TORO

Edwin G. Bond

FROM:

Stewart Bornhoft, Program Manager

Edwin G. Bond, Contracts Manager

DESCRIPTION OF ENCLOSURE: *Regulatory Closure Documentation for Various Environmental Locations of Concern, dated May 7, 1999*

TYPE: Contract Deliverable () D. O. Deliverable (X) Request for Change () Other ()
(S) (Tech)

VERSION: N/A

REVISION: 0

ADMIN RECORD: Yes () No (X) Category () Confidential ()

SCHEDULED DELIVERY DATE: 10-May-99 **ACTUAL DELIVERY DATE:** 10-May-99

NUMBER OF COPIES SUBMITTED TO THE NAVY: 1/O, 3/C, 2/E

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G. Tinker, 05B2.GT (1C)

OHM

Name, Location

File (1C/1E)
Chron (1C)
W. Sedlak, Irv (1C/1E)

OTHER

Name, Company, Location

B. Coleman, (AR) BNI 2E

h1 31 01 11W 66

Date/Time Received: 8106

RECEIVED